

Aircrew Training

KC-135 Instructor Aircraft Commander Upgrade

July 2011



Air Education and Training Command

DEPARTMENT OF THE AIR FORCE
Headquarters Air Education and Training Command
Randolph AFB TX 78150-4325

AETC Syllabus KC-135IAC

July 2011

This syllabus outlines the training required to achieve the proficiency in the course training standards. It prescribes the course content, instructions to conduct the training, and the approximate time required to successfully complete all requirements. Any training not specifically authorized in this syllabus or other appropriate directives is prohibited without prior approval of this headquarters. If a conflict exists between this syllabus and a supporting ATS contract, the original syllabus in place at that time will continue to be executed until the conflict is resolved by AETC, AMC, and AFMC. Forward suggestions for course improvement to: HQ AETC/A3ZM, 1 F STREET, SUITE 2, RANDOLPH AFB TX 78150-4325. **Next planned revision is July 2013.**

OFFICIAL



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Website.at: <https://trss3.randolph.af.mil/bookstore/home/homePage.aspx>

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Summary of Changes

- This update incorporates AETCs syllabus standard template.
- Updated guidance regarding conflicts between syllabus and contract in opening paragraph
- Changed Chapter 2 and the Progress Review Process Chart to conform to AETCI 36-2205v7.
- CTS numbers and events updated to align with AFI 11-2KC-135v2, 26 May 2010.
- Updated Bibliography.
- Updated Glossary.
- “Simulated Engine-Out Approach” added to the OFT and airplane MIF tables per Q113603.
- Added .5 hours to CPTS lesson duration per Q113605.
- Moved OFT prebrief and debrief hours to Chapter 3.

Chapter 1

Course Description

1. **Course Title** — KC-135 Instructor Aircraft Commander Upgrade
2. **Course Number** — KC135IAC
3. **Course Objective** — To qualify Block 40 KC-135R pilots as Instructors in the KC-135R aircraft.
4. **Location** — Altus AFB, Oklahoma.
5. **Course Duration** — 28 training days. For exact training duration, see Quota Management Worksheets at <https://www.d.mil/afknprod/ASPs/docman/DOCMain.asp?Tab=0&FolderID=OO-OP-AE-57&Filter=OO-OP-AE-57>.
6. **Course Entry Prerequisites**
 - a. Individual must be a current and qualified KC-135R (Block 40) aircraft commander. Instrument and qualification evaluation must be current for at least 30 days after course completion.
 - b. Individual must be certified as Touch and Go Phase I and II for a minimum of 6 months prior to class start date.
 - c. Individual must meet the requirements and qualifications IAW AFI 11-2KC-135, Vol. 1, *KC-135 Aircrew Training* and AFI 11-202, Vol. 1, *Aircrew Training*.
 - d. Before departing for training, students who do not meet required prerequisites must obtain a waiver from 19 AF/DO, who will coordinate prerequisite waiver requests with the appropriate MAJCOM.
 - e. Individual must be qualified for flying duty.
 - f. Flight physical must be current for at least 30 days after course completion.
 - g. Physiological training must be current for at least 30 days after course completion.
 - h. Individual must possess a Secret clearance, granted US Access in JPAS. Security clearance will be validated upon inprocessing.
 - i. Information Assurance (IA): Certificate of Training for IAAP IAW AFI 22-204, *Information Assurance (IA) Awareness Program*. Copy of student's DD Form 2875, *System Authorization Access Request (SAAR)*. IAAP training must be current.
 - j. Refer to the Education and Training Course Announcements (ETCA) (<https://etca.randolph.af.mil>) for additional administrative information and reporting instructions.
 - k. Individual must complete the pre-attendance academic training which consists of completing computer-based training instructional modules, a workbook, a prequalification exam and training listed in AFI 11-2KC-135, Vol. 1, *KC-135 Aircrew Training*.
7. **Status Upon Graduation**

Graduates of this course are awarded an AF Form 1256, Certificate of Training and an AF Form 8, Certificate of Aircrew Qualification, according to AFI 11-202, Vol. 2, *Aircrew Standardization/Evaluation Program*, and AFI 11-2KC-135, Vol. 2, *C/KC-135 Aircrew Evaluation Criteria*.
8. **Equipment Required** — See ETCA (<https://etca.randolph.af.mil>).
9. **Training Methodology**

IAC training for the KC-135 places heavy emphasis on a combination of instructor based training (IBT) and Operational Flight Trainer (OFT) sessions as the primary academic medium. **NOTE:** Crew Resource Management (CRM) principles are emphasized throughout the course.

10. Ground Training Summary:**a. Pre-Attendance Academic Training**

<i>Academic Training</i>	<i>Hours</i>
Instructional CBT Modules	14.5
Pre-attendance Workbook Exercises	0.5
Prequalification Examination	4.0
Total	19.0

b. Academic Training

<i>Academic Training</i>	<i>Hours</i>
Preparatory Training	3.5
Tools for Instruction	4.5
Instructional Concepts	29.0
Review and Examinations	3.0
Total	40.0

Note: Academic training hours include CFT hours.

11. Device /Flying Training Summary

<i>a. Operational Flight Trainer (OFT)</i>	<i>Unit</i>	<i>Events/Hr</i>	<i>Support Hr</i>
	CPTD1-9	9/37.0	27.0
Total		9/37.0	27.0

<i>b. KC-135 Aircraft</i>	<i>Unit</i>	<i>Events/Hr</i>	<i>Support Hr</i>
	CPIB1-3	3/17.1	45.0
Total		3/17.1	45.0

Chapter 2

Course Administration

Section A — Syllabus Management

1. Syllabus Interpretation

This syllabus is directive and will be followed as written. If no clear syllabus guidance exists, resolve the situation using the appropriate wing chain of command. If the logical course of action conflicts with other directives, OG Stan/Eval will contact 19 AF/DOH who will coordinate with HQ AETC/A3ZM.

2. Syllabus Waivers

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

3. Syllabus Deviation

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

4. Incomplete Training and Disenrollment

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker* for incomplete training and disenrollment guidance.

5. Flying Training Feedback

Aircrew members who have completed training through an AETC formal undergraduate or graduate flying training program will be evaluated on the effectiveness of their previous training IAW AETCI 36-2206, *Aircrew Graduate Evaluation Program (AGEP)*. Refer to AETCI 36-2206, for specific program guidance. Questions/comments concerning the feedback survey content should be directed to AETC/A3ZM (DSN-487-2014). For questions concerning access to the AGEP web link, contact AETC/A3FO (DSN 487-2045).

- a. FTU Graduates — The crewmember's gaining unit supervisor should complete the aircrew graduate evaluation survey found on the AGEP link (<https://www.my.af.mil/agepiftprod>). Syllabuses may specify if graduate evaluations are not required.
- b. Follow-on Courses — The crewmember's primary instructor, ATS designee (per ATS contract), or gaining unit supervisor will complete the aircrew graduate evaluation survey found on the AGEP link (<https://www.my.af.mil/agepiftprod>). The survey will be completed at the specified point in the training syllabus or when notified the survey is required.

Section B — Training Management

1. Training Requirements and Restrictions

- a. *Course Length* — This course is designed to be accomplished in 28 training days:

Emphasis Area	Approx Trng Days	Acad Hours	Simulator			Flight			Total Hrs
			No. Msns	Supp Hr ¹	Msn Hr	No. Msns ²	Supp Hr ¹	Msn Hr ²	
a. Academics ³	7	40.0							40.0
b. OFT	9		9	27.0	37.0				64.0
c. Flightline	12	8.0				3	45.0	17.1	70.1
d. Total Training Data	28	48.0	9	27.0	37.0	3	45.0	17.1	174.1
Notes: <ol style="list-style-type: none"> Support hours include mission planning, briefing, preflight, postflight, debriefing, and critique. Total number of missions and mission hours include the evaluation. Academic hours include the hours in the CFT. Hours do not include pre-attendance academic training. 									

- b. *Minimum Academic Performance* — The minimum acceptable score on any phase exam or End-of-Course exam is 85 percent. Should a student receive less than the minimum acceptable score, the instructor will remediate the student and a second, different exam for that phase will be administered. Unsatisfactory performance will be referred to the appropriate military authority.

- c. *Minimum Demonstration/Performance Test Standard* — The minimum acceptable performance on any demonstration/performance test will be measured against the course standard and the required proficiency level for events requiring a demonstration/performance test.

- d. *Minimum Hour Requirement* — There is no minimum hour/event/sortie requirement for graduation.

- e. *Instructor Responsibilities* — Instructors are responsible for training accomplishment; however, students should monitor their own training and develop mission profiles when appropriate.

- f. *Proficiency Advancement* — The contractor site manager or squadron operations officer is the approval authority for student proficiency advancement. The student may advance to the next unit of training or flight evaluation provided MIF requirements are met.

Notes:

- (1) The academic phase shown consists of in-residence training. In-residence training includes principles of instruction and instructional practice conducted through mediated instructor-based training (IBT) and other training devices to enhance classroom instruction.
- (2) OFT Training — The operational flight trainer is used to provide mission profiles for instructional practice, procedural training, and an AF evaluation.
- (3) Flight Training — This phase includes up to three training flights. Students should be recommended for an evaluation flight as soon as they are proficient in all appropriate sub-areas of the MIF.

2. Break-in-Training (BIT)

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

3. Flying Safety and Operational Risk Management (ORM)

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

4. Cockpit/Crew Resource Management (CRM)

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

5. Briefing Requirements

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

6. Demonstrations

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

7. Regression Rules

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

8. Airsickness and Manifestation of Apprehension (MOA)

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

9. Visually Induced Motion Sickness (VIMS)

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

10. Commander's Awareness Program (CAP)

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

11. Progress Review Process (PR)

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

12. Elimination Check (EC) Guidance

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

13. Authorized Additional Training (AT)

The SQ/CC may authorize up to 1 additional flightline sortie. The OG/CC may authorize up to 1 additional flightline sortie. Additional time/sorties (CPT, ATD, etc.) will be logged as AT time in the student's training record.

14. Commander's Review (CR) Process

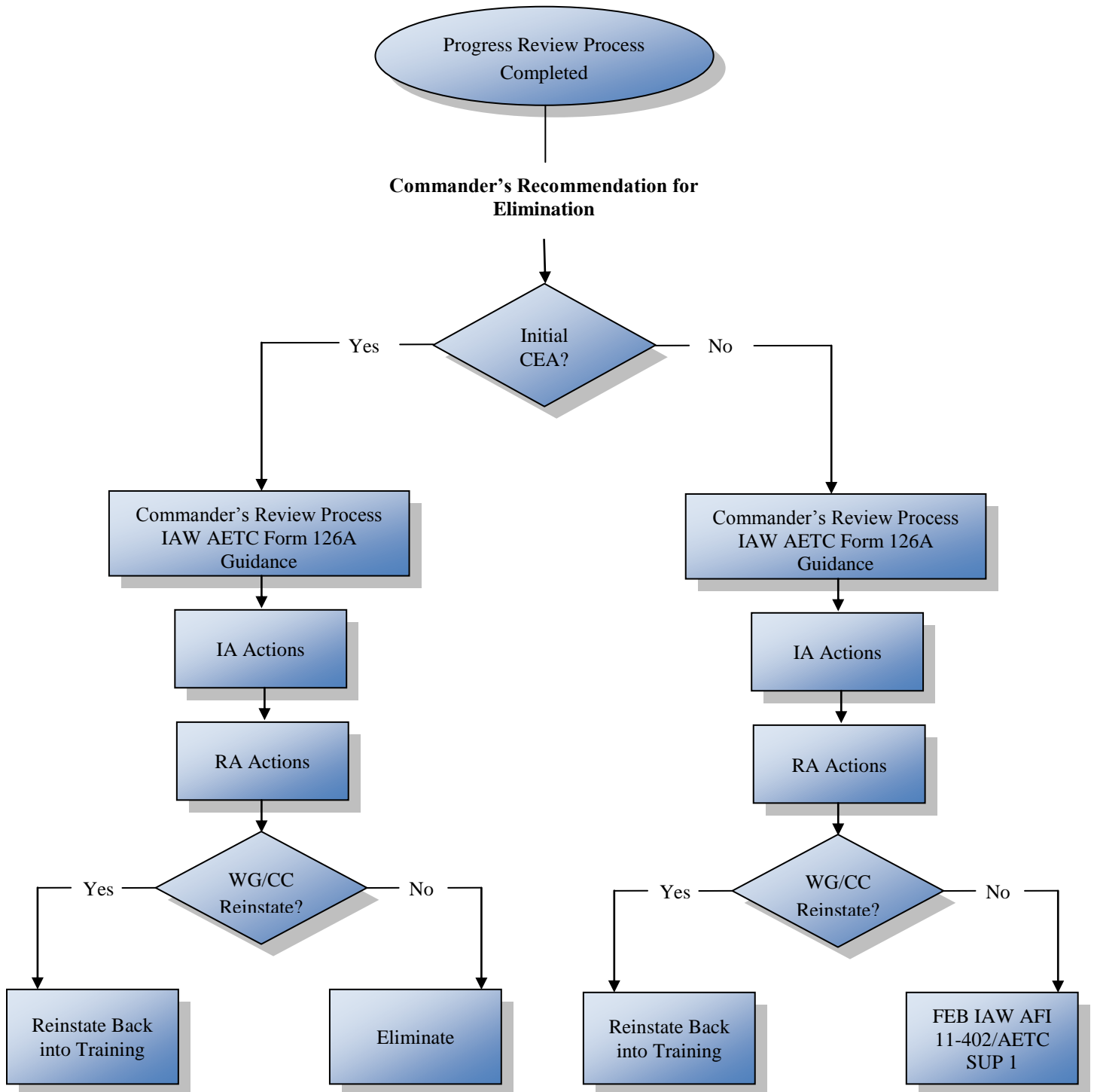
When students demonstrate a lack of potential to meet training standards, the squadron commander will recommend elimination. Use AETC Form 126A, *Record of Commander's Review Action*, to complete the CR process. For specific responsibilities and guidance on the AETC Form 126A, see Figure 2-1 for overview of process. **Note:** Complete the CR process within 10 duty days (24 duty days for international students) from the date the Initiating Authority (IA) signs AETC Form 126A.

15. Commander's Review (CR) Process Specific Duties

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

16. Fuel Conservation

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

Figure 2-1 — Overview of Commander's Review Process

Section C — Grading Procedures

1. Performance and Knowledge Standards

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

Section D — Course Training Standards (CTS)

1. Purpose — To provide individual task/event standards to meet lead command's graduate requirements.

2. Duties and Responsibilities

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

3. General Proficiency Standards

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

4. Employment

Refer to AETCI 36-2205v1, *Formal Flying Training Administration and Management* and AETCI 36-2205v7, *Formal Flying Training Administration and Management-Airlift and Tanker*.

5. Job Tasks

Performance conditions are specified in the following CTS table. Standards are located in AFI 11-2KC-135, Vol. 2. For additional standards not addressed in 11-2KC-135, Vol. 2, see appended tables below.

Area (CTS)	Description
General	
1	Directives and Publications
2	Mission Preparation/Planning/Performance
3	Use of Checklist
4	Safety Consciousness (Critical)
5	Judgment/Compliance (Critical)
6	Crew Coordination/Crew Resource Management (CRM)
7	Communication Procedures
8	Aircrew Flight Equipment Systems/Egress
9	Knowledge/Completion of Forms
10	Airmanship/Situational Awareness
Qualification	
11	Takeoff
12	VFR Pattern (Weather Permitting or Certified Simulator)
13	Landings
13A	Normal Landing (50 Flap)
13B	Partial Flap (30 or 40 Flap)
14	Landing/Roll, Braking
15	All Engine Go Around (GA), Copilots Only
16	Simulated Engine Out Operations
16A	Engine Fire/Failure During Flight
16B	Engine Out Approach
16C	Engine Out GA
16D	Engine Out Landing (use area 16 criteria)
17	Boldface Emergency Procedures (Critical)
18	Other Emergency Procedures
19	Systems Operations/Knowledge/Limitations
Instrument	
20	Instrument Departure/SID
21	En Route Navigation/FMS
22	Holding (If available, else verbally evaluate)

23	Use of NAVAIDs
24	Descent/Arrival
25	Precision Approaches
25A	PAR
25B	ILS
26	Non Precision Approaches
27	Circling Approach (If Available, Else Verbally Evaluate)
28	Missed approach
Instructor	
29	Instructor Responsibility (Critical)
29A	Instructor Ability (Critical)
29B	Student Briefing/Critique (Critical)
Mission	
30	Ground Operations/Taxi
31	Takeoff
32	Radar Operations/Weather Avoidance/Windshear
33	Fuel Conservation
34	Landing
35	Tanker AAR
35A	Rendezvous
35B	Platform Control
35C	Breakaway
35D	Overrun Procedures
35E	Tanker AAR formation, if observed
36	Formation (if observed)
38	Tactics (if observed)
39	Threat Avoidance (if observed)
40	Tactical Arrival (if observed)

Chapter 3 Academic Training

CBES—Computer-Based Exam System

CFT—Cockpit Familiarization Trainer

CBT—Computer-Based Training

IBT—Instructor-Based Training

Section A — Course Content/Medium/Duration

PRE-ATTENDANCE ACADEMIC TRAINING

Lesson ID	Title	Medium	Hours
A010	Instructional Modules	CBT	14.5
A044	Pre-Attendance Workbook	IBT	0.5
A010X	Prequalification Examination	CBT	4.0
			19.0

PREPARATORY TRAINING

CPIP2	AF Inprocessing	IBT	1.5
CPIP1	ATS Inprocessing	IBT	1.0
CYFI	The Flight Instructor	IBT	1.0
			3.5

TOOLS FOR INSTRUCTION

Lesson ID	Title	Medium	Hours
CYAS	KC-135 Accident Scenarios	IBT	3.0
A036P	OFT Instructor Operator Station Operations	IBT	1.5
			4.5

INSTRUCTIONAL CONCEPTS

CPAR	Air Refueling Management	IBT	1.5
CPIT	Instructor Techniques	IBT	2.0
CPMP	TOLD for Instructors	IBT	4.0
CPSS	Student Seminar	IBT	7.0
CPTD5PP	CRM and AR Preflight Practice	CFT	1.0
CPTD7PP	Air Refueling Preflight Practice	CFT	1.0
CPTS	Building and Managing a Training Sortie	IBT	1.5
CYUT	Unit Training Management	IBT	3.0
CRM	Crew Resource Management	IBT	4.0
KPMDMS	PIQ/PTX Mission Study (optional)	IBT	2.0
KPMDPB	PIQ/PTX Prebrief (optional)	IBT	1.0
KPMDDB	PIQ/PTX Debrief (optional)	IBT	1.0
			29.0

REVIEW AND EXAMINATIONS

Lesson ID	Title	Medium	Hours
CPKAX	Knowledge Assessment	CBES	1.0
CPTEX	Instructor Fundamentals Exam	CBES	2.0
			3.0

Chapter 4

Flying Training

Accomplish all Operational Flight Trainer (OFT) to include OFT prebrief and debriefs and airplane missions IAW the KC-135 *OFT Pilot Training Devices Instructor Guide* and *Flightline Procedures Instructor Guide*. OFT debrief, mission planning, and prebriefs are considered Support Time.

Section A — Simulator Training

Unit	Medium	Title	Sorties	Hours	Support Hours
CPTD1PB	IBT	OFT Operation, Intro to Formation Setup, and Flying Skills Prebrief			1.0
CPTD1	OFT	OFT Operation, Introduction to Formation Setup, and Flying Skills	1	4.0	
CPTD1DB	IBT	OFT Operation, Intro to Formation Setup, and Flying Skills Debrief			1.0
CPTD2PB	IBT	General Knowledge and Situational Awareness Prebrief			1.0
CPTD2	OFT	General Knowledge and Situational Awareness	1	4.0	
CPTD2DB	IBT	General Knowledge and Situational Awareness Debrief			2.0
CPTS3PB	IBT	Supervision, Intervention, and Survival Prebrief			1.0
CPTD3	OFT	Supervision, Intervention, and Survival	1	4.0	
CPTD3DB	IBT	Supervision, Intervention, and Survival Debrief			2.0
CPTD4PB	IBT	Instruction and Note Taking Prebrief			1.0
CPTD4	OFT	Instruction and Note Taking	1	4.0	
CPTD4DB	IBT	Instruction and Note Taking Debrief			2.0
CPTD5PB	IBT	CRM and Air Refueling Prebrief			1.0
CPTD5	OFT	CRM and Air Refueling	1	4.0	
CPTD5DB	IBT	CRM and Air Refueling Debrief			2.0
CPTD6PB	IBT	Qualification Student Observation Prebrief			1.0
CPTD6	OFT	Qualification Student Observation	1	4.0	
CPTD6DB	IBT	Qualification Student Observation Debrief			2.0
CPTD7PB	IBT	Air Refueling Prebrief			1.0
CPTD7	OFT	Air Refueling	1	4.0	
CPTD7DB	IBT	Air Refueling Debrief			2.0
CPTD8PB	IBT	Pilot Proficiency Prebrief			1.0
CPTD8	OFT	Pilot Proficiency	1	4.0	
CPTD8DB	IBT	Pilot Proficiency Debrief			2.0
CPTD9PB	IBT	Instructor Evaluation Prebrief			2.0
CPTD9*	OFT	Instructor Evaluation	1	5.0	
CPTD9DB	IBT	Instructor Evaluation Debrief			2.0
			9	37.0	27.0

Notes:

1. CPTD6 is an observation and instructor practice using PIQ/PTX students and a PIQ/PTX OFT profile. In addition to the CPTD6 prebrief and debrief, IAC candidates also attend the PIQ/PTX mission study, prebrief, and debrief, as applicable.

- The normal composition of a training crew is a ratio of 2 pilots to 1 instructor. Any deviation from this ratio during academic training will be documented (to include hours in the seat to meet syllabus requirements) in the student gradebook. Flightline OFT will be instructed by AF instructors and the IOS operated by the contractor instructor.
- A036P is a 2-part class. The academic portion must be completed prior to the practical operational training which will be completed during CPTD1.
- CPTD9 is the AF evaluation OFT. A contractor instructor will run the IOS during the OFT period.

Section B — Airplane Training

Each flight training period includes a 3-hour prebrief (accomplished the day prior to flight), 4-hour mission preparation, 3-hour preflight, approximately 5.7-hour sortie length, 1-hour crew debrief, and 4 hours for candidate/instructor critique.

Unit	Medium	Title	Sorties	Hours	Support Hrs
CPIB1	KC135	AAR and Transition	1	5.7	15.0
CPIB2	KC135	AAR and Transition	1	5.7	15.0
CPIB3	KC135	AAR and Transition	1	5.7	15.0
Total			3	17.1	45.0

Notes:

- IPs will assume and prebrief a student role prior to each sortie.
- IPs will introduce simulated student errors when appropriate.
- IPs will exercise their judgment to optimize training for the candidate. Emphasis will be placed upon instructor skills, general knowledge, situational awareness, CRM, supervisor skills, and flying ability.
- Prebriefs—Prebrief topics are left to the discretion of the instructor. Examples of topics are: CRM, TOLD, Power Management, AAR Procedures/Techniques, Pattern Pacing, Instructor Survival Skills, Instructor Techniques, etc.
- Each flight training period includes a 3-hour prebrief (accomplished the day prior to flight), 4-hour mission preparation, 3-hour preflight, approximately 5.7-hour sortie length, 1-hour crew debrief, and 4 hours for candidate/instructor critique. All debriefs will be complete prior to the next sortie. The candidate/instructor critique does not include time for TAPR completion and T.O. / AFI research.
- Individuals may NOT realign their Qualification and Instrument Evaluation at the time of their Instructor Evaluation. The checkride will consist of the Instructor Evaluation only.

Section C — Operational Flight Trainer (OFT) Maneuver Item File

CTS No.	OFT MANEUVER ITEM CPTD1–9	RPL
	GENERAL	
11, 13, 19	Flying Skills	3C
4, 6, 29, 29A	Instructor Survival Awareness	3C
4, 6, 29, 29A, 29B	Instructor Skills and Techniques	3C
4, 6, 29, 29A	Identification of Common Student Errors	3C
4, 6, 29, 29A	Intervention Skills	3C
4, 6, 29, 29A	General Knowledge	3C
4, 6, 29, 29A	Note Taking	3C
4, 6, 29, 29A	Supervision Skills	3C
4, 6, 29, 29A	Student Approach and Landing Analysis	3C
29	A036P OFT Operations	3C
	CREW RESOURCE MANAGEMENT (CRM)	
4, 6, 29, 29A	Situational Awareness	3C
4, 6	Crew Coordination/Flight Integrity	3C
4, 6, 7	Communication	3C

CTS No.	OFT MANEUVER ITEM CPTD1-9	RPL
4, 5, 6, 29, 29A	Risk Management/Decision Making	3C
4, 5, 6, 29, 29A	Task Management	3C
1, 2, 4, 5, 6, 9, 29, 29A, 29B	Mission Planning/Debrief	3C
	TRAFFIC PATTERN ACTIVITY	
13	Touch-and-Go Landings	3C
11, 13, 19	Demonstrations	3C
16, 17, 18	Emergency Procedure Handling	3C
16, 17, 18	Engine Failure During Takeoff	3C
16, 17, 29A	Simulated Engine-Out Approach	3C
18	Low-Altitude Approach to Stall Recognition and Recovery Procedures	1
16, 16C	Inflight Minimum Control Demonstration	1
10	Pattern Pacing	1
18, 19	No Airspeed/No Angle of Attack (AOA) Approach	F
13	Normal Landing Demo	3C
13	Landing Attitude Demo	3C

Section D — Airplane Maneuver Item File (MIF)

CTS No.	AIRPLANE MANEUVER ITEM CPIB1-3	RPL
	GENERAL	
11, 13, 19	Flying Skills	3C
4, 6, 29, 29A	Supervision Skills	3C
4, 6, 29, 29A, 29B	Instructor Skills and Techniques	3C
2, 2A, 6, 29, 29A, 29B	Mission Planning, Briefing and Debriefing	3C
6, 29, 29A	Cockpit/Crew Resource Management/CRM/ORM	3C
6, 10, 29, 29A	Airmanship/Situational Awareness	3C
6, 7, 29, 29A	Communication	3C
6, 29, 29A	Decision Making	3C
6, 29, 29A	Task Management	3C
6, 29, 29A	Crew Coordination	3C
	TAKEOFF/DEPARTURE	
11, 29, 29A	Takeoff-Gyro Mode	3C
20, 29, 29A	Instrument Departure/SID	3C
	AIR-TO-AIR REFUELING	
35, 29, 29A	Tanker AAR Autopilot Off	3C
35, 29, 29A	Tanker AAR Breakaway & Emergency Separation	3C
35, 29, 29A	AAR Platform Control	3C
	TRANSITION	
12, 29, 29A	Visual Pattern	3C
13, 29, 29A	Landing, 30° Flap	3C
13	Touch-and-Go Landing	3C
16, 17, 29A	Simulated Engine-Out Approach	3C
19, 29, 29A	Landing Attitude Demonstration	3C
16, 18, 19, 29, 29A	Student Approach and Landing Analysis	3C

Chapter 5 General Instructions

Section A — Course Flow/Prerequisites

ACADEMIC TRAINING

<i>Syllabus</i>			<i>Prerequisites</i>			<i>Syllabus</i>			<i>Prerequisites</i>		
<i>Event</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>Event</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>Event</i>	<i>1</i>	<i>2</i>	<i>3</i>
CPIP2	A010	A010X		CYAS				CYUT			
CPIP1				CPTS				CPTEX	All above		
CPKAX				CPMP				CPAR			
CPIT				CPSS							
A036P											
CYFI											
CRM											

SIMULATOR AND AIRCRAFT TRAINING

<i>Syllabus</i>			<i>Prerequisites</i>			<i>Syllabus</i>			<i>Prerequisites</i>		
<i>Event</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>Event</i>	<i>1</i>	<i>2</i>	<i>3</i>	<i>Event</i>	<i>1</i>	<i>2</i>	<i>3</i>
CPTD1	A036P			CPTD7				CPTD8			
CPTD2				CPIB1	CPTD7			CPIB2	CPTD8		
CPTD3				CPIB3	CPIB1			CPIB3			
CPTD4											
CPTD5											
CPTD6											

Section B — Syllabus Flow

While lessons will normally be taught in sequence, it may be necessary to deviate from this flow due to device availability or unforeseen circumstances. In those cases, schedulers may adjust the syllabus flow as long as lessons remain in the same testing units/blocks/phases, and appropriate prerequisite academic lessons are taught prior to the lessons that they affect.

The syllabus flow sequence may be modified at the discretion of the Contractor Site Manager or training squadron operations officer to maximize training efficiency due to proficiency advancement, unscheduled maintenance malfunctions (ATD or aircraft), weather or support problems. For recommended course flow, refer to table 5.1 below. The number of academic, OFT, and sortie hours listed will remain fixed. The training day or days that a particular block is taught may vary to meet scheduling needs. Student/Instructor ratios are based on the AF throughput requirements and the number of instructors required per class.

Table 5.1—Syllabus Flow

<u>DAY</u>	<u>LESSON TITLE</u>	<u>LESSON NUMBER</u>	<u>MEDIUM</u>	<u>DURATION</u>	<u>STUDENT/ INSTRUCTOR RATIO</u>
1	USAF Inprocessing	CPIP2	IBT	1.5	14:1
	ATS Inprocessing	CPIP1	IBT	1.0	14:1
	Knowledge Assessment	CPKAX	IBT	1.0	14:1
	Prep/Review: CPIT Prep	PREP	NA	1.0	1:0
	Instructor Techniques	CPIT	IBT	2.0	14:1
	OFT IOS Operations	A036P	IBT	1.5	14:1
2	Prep/Review: Student Seminar Prep	PREP	NA	2.0	1:0

<u>DAY</u>	<u>LESSON TITLE</u>	<u>LESSON NUMBER</u>	<u>MEDIUM</u>	<u>DURATION</u>	<u>STUDENT/ INSTRUCTOR RATIO</u>
	The Flight Instructor	CYFI	IBT	1.0	20:1
	CRM	CRM	IBT	4.0	20:1
	KC-135 Accident Scenarios	CYAS	IBT	1.0	20:1
3	KC-135 Accident Scenarios	CYAS	IBT	2.0	20:1
	Unit Training Management	CYUT	IBT	3.0	20:1
	Building and Managing a Training Sortie	CPTS	IBT	1.5	14:1
4	OFT Operation, Introduction to Formation Setup, and Flying Skills Prebrief	CPTD1PB	IBT	1.0	2:1
	OFT Operation, Introduction to Formation Setup, and Flying Skills	CPTD1	OFT	4.0	2:1
	OFT Operation, Introduction to Formation Setup, and Flying Skills Debrief	CPTD1DB	IBT	1.0	2:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	2.0	1:0
5	General Knowledge and SA Prebrief	CPTD2PB	IBT	1.0	2:1
	General Knowledge and Situational Awareness	CPTD2	OFT	4.0	2:1
	General Knowledge and SA Debrief	CPTD2DB	IBT	2.0	2:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	1.0	1:0
6	Supervision, Intervention, and Survival Prebrief	CPTD3PB	IBT	1.0	2:1
	Supervision, Intervention, and Survival	CPTD3	OFT	4.0	2:1
	Supervision, Intervention, and Survival Debrief	CPTD3DB	IBT	2.0	2:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	1.0	1:0
7	Instruction and Note Taking Prebrief	CPTD4PB	IBT	1.0	2:1
	Instruction and Note Taking	CPTD4	OFT	4.0	2:1
	Instruction and Note Taking Debrief	CPTD4DB	IBT	2.0	2:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	1.0	1:0
8	Instructor Fundamentals Exam	CPTX	CBES	2.0	14:0
	TOLD for Instructors	CPMP	IBT	4.0	14:1
	Air Refueling Management	CPAR	IBT	1.5	14:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	0.5	1:0
9	Preflight Instruction Practice	CPTD5PP	CFT	1.0	2:1
	Crew Resource Management and Air Refueling Prebrief	CPTD5PB	IBT	1.0	2:1
	Crew Resource Management and Air Refueling	CPTD5	OFT	4.0	2:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	2.0	1:0
10	CRM and Air Refueling Debrief	CPTD5DB	IBT	2.0	2:1
	Student Seminar	CPSS	IBT	2.0	14:1
	PIQ/PTX Mission Study (Optional)	KPMDMS	IBT	2.0	12:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	2.0	1:0
11	Qualification Student Observation Prebrief	CPTD6PB	IBT	1.0	2:1
	PIQ/PTX Mission Prebrief (Optional)	KPMDPB	IBT	1.0	4:1

<u>DAY</u>	<u>LESSON TITLE</u>	<u>LESSON NUMBER</u>	<u>MEDIUM</u>	<u>DURATION</u>	<u>STUDENT/ INSTRUCTOR RATIO</u>
	Qualification Student Observation	CPTD6	OFT	4.0	4:1
	PIQ/PTX Mission Debrief (Optional)	KPMDDDB	IBT	1.0	4:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	1.0	1:0
12	Qualification Student Observation Debrief	CPTD6DB	IBT	2.0	2:1
	Student Seminar	CPSS	IBT	2.0	14:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	4.0	1:0
13	Preflight Instruction Practice	CPTD7PP	CFT	1.0	2:1
	Air Refueling Prebrief	CPTD7PB	IBT	1.0	2:1
	Air Refueling	CPTD7	OFT	4.0	2:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	2.0	1:0
14	Air Refueling Debrief	CPTD7DB	IBT	2.0	2:1
	Student Seminar	CPSS	IBT	3.0	14:1
	Prep/Review: OFT and Student Seminar Prep	PREP	NA	3.0	1:0
15	Pilot Proficiency Prebrief	CPTD8PB	IBT	1.0	2:1
	Pilot Proficiency	CPTD8	OFT	4.0	2:1
	Prep/Review: OFT Prep	PREP	NA	3.0	1:0
16	Pilot Proficiency Debrief	CPTD8DB	IBT	2.0	2:1
FLIGHTLINE					
17	Ground Training (Air Refueling & AGEP Seminars, In-Processing, Safe Taxi Operations, and Testing)		IBT	8.0	14:1
18	Mission Plan Sortie 1		IBT	7.0	2:1
19	Fly Sortie 1	CPIB1	Aircraft	9.7	2:1
20	Critique Sortie 1		IBT	4.0	2:1
21	Mission Plan Sortie 2		IBT	7.0	2:1
22	Fly Sortie 2	CPIB2	Aircraft	9.7	2:1
23	Critique Sortie 2		IBT	4.0	2:1
24	Mission Plan Sortie 3		IBT	7.0	2:1
25	Fly Sortie 3	CPIB3	Aircraft	9.7	2:1
26	Critique Sortie 3		IBT	4.0	2:1
27	Instructor Evaluation			4.0	2:0
	Instructor Evaluation Prebrief	CPTD9PB	IBT	2.0	2:1
	Prep/Review: Instructor Evaluation Prep			2.0	2:0

<u>DAY</u>	<u>LESSON TITLE</u>	<u>LESSON NUMBER</u>	<u>MEDIUM</u>	<u>DURATION</u>	<u>STUDENT/ INSTRUCTOR RATIO</u>
28	Instructor Evaluation	CPTD9	OFT	5.0	2:2
	Instructor Evaluation Debrief	CPTD9DB	IBT	2.0	2:1

Section C — Bibliography

1. Publications students use throughout KC-135 training are available in three different ways. Paragraph 2 below lists publications that a student uses frequently and these are to be issued as paper copies. Paragraph 3 lists publications that a student uses occasionally and these may be provided in an electronic format, such as CDs and issued laptops in accordance with current governing directives. 97 TRS/TRA is responsible for developing procedures to ensure students have access to the most current information and for disseminating all changes to the publications/regulations. Paragraph 4 lists those publications students use infrequently. These publications are available from .mil computers from the AF Publications website located at <http://www.e-publishing.af.mil/>.

2. **Training material issued as paper copies** (students should return all items with an asterisk * upon KC-135 course completion.)

- a. All KC-135 academic courseware
- b. T.O. 1C-135(K)R(II)-1CL-1, *Pilots' Abbreviated Flight Crew Checklist USAF KC-135R/T Aircraft [GATM]* and all approved inserts
- c. T.O. 1C-135(K)R(II)-1CL-1-1, *Pilots' Fanfold Checklist USAF KC-135R/T Aircraft [GATM]*
- d. T.O. 1C-135(K)R(II)-1CL-3, *Boom Operators' Abbreviated Flight Crew Checklist USAF KC-135R/T Aircraft [GATM]* and all approved inserts
- e. T.O. 1C-135(K)R(II)-1CL-3-1, *Boom Operators' Fanfold Checklist USAF KC-135R/T Aircraft [GATM]*
- f. T.O. 1C-135-5-1, *Basic Weight Checklist, MX Data, Loading Data, and Fuel Loading Data*
- g. T.O. 1C-135-9CL-1, *Cargo Loading/Unloading Checklist*
- h. Altus In-Flight Guide, Parts 1, 2 and 3*
- i. KC-135 ATS laptops for academic training only

3. **Training materials issued in digital format removable media**

- a. T.O. 1C-135(K)(I)-1, *Flight Manual [GATM], Reference Data*
- b. T.O. 1C-135(K)R(II)-1, *Flight Manual [GATM], Inflight Data*
- c. T.O. 1-C-135(K)R-1-1, *Flight Manual, Performance Data*
- d. T.O. 1C-135(K)R(II)-1CL-1, *Pilots' Abbreviated Flight Crew Checklist USAF KC-135R/T Aircraft [GATM]*
- e. T.O. 1C-135(K)R(II)-1CL-3, *Boom Operators' Abbreviated Flight Crew Checklist USAF KC-135R/T Aircraft [GATM]*
- f. T.O. 1-C-135-9, *Cargo Loading Manual*
- g. T.O. 1-C-135-101, *AFTO 76, Aircraft Structural Assessment Data*
- h. T.O. 00-25-172, *Ground Servicing of Aircraft and Static Grounding/Bonding*
- i. AFTTP 3-3.KC-135, *KC-135 Combat Aircraft Tactics*
- j. AFI 11-2KC-135, Vol. 1, *C/KC-135 Aircrew Training*
- k. AFI 11-2KC-135, Vol. 2, *C/KC-135 Aircrew Evaluation Criteria*
- l. AFI 11-2KC-135, Vol. 3, *C/KC-135 Operations Procedures and all addenda*
- m. AFI 11-202, Vol. 1, *Aircrew Training*
- n. AFI 11-202, Vol. 2, *Aircrew Standardization/Evaluation Program*
- o. AFI 11-202, Vol. 3, *General Flight Rules*
- p. AMCI 11-208, *Tanker/Airlift Operations*
- q. AFMAN 11-217, Vol. 1 & 3, *Instrument Flight Procedures and Supplemental Flight Information*
- r. AFMAN 36-2236, *Guidebook for Air Force Instructors*
- s. ATP -56(B) (Parts 1 & 2, Annex Z), *Allied Tactical Publication – 56(B), Air-to-air Refueling*
- t. Pilot Master Question File (AMC standard and local)

- u. Boom Operator Master Question File (AMC standard and local)
- v. KC-135 Weight & Balance Program
- w. FCBs, *Flight Crew Bulletins*
- x. *AMC Aircrew Border Clearance Guide*

4. Training materials available for review on military websites.

- a. AFI 11-201, *Flight Information Publications*
- b. AFI 13-203, *Air Traffic Control*
- c. AFJI 11-204, *Operational Procedures for Aircraft Carrying Hazardous Materials*
- d. AFI 11-205, *Aircraft Cockpit and Formation Flight Signals*
- e. AMCI 11-206, *Mobility Force Management*
- f. AMCI 11-207, *AMC Weapons and Tactics Program*
- g. AFI 11-208(I), *DoD NOTAM System*
- h. AFH 11-203, Vol. 1 & 2, *Weather for Aircrews*
- i. AFI 11-209, *Aerial Event Policy and Procedures and AETC Supplement*
- j. AFMAN 11-210, *Instrument Refresher Program*
- k. AMCI 11-210, *Airport Qualification Program*
- l. AFI 11-214, *Air Operations Rules and Procedures and AETC Supplement*
- m. AMCH 11-214, *AMC Aircrew Hazardous Materials Handbook*
- n. AFI 11-215, *USAF Flight Manuals Program and AETC Supplement*
- o. AFPAM 11-216, *Air Navigation*
- p. AFI 11-230, *Instrument Procedures*
- q. AF Pamphlet 11-238, *Aircrew Quick Reference to METAR/TAF Codes*
- r. AFI 11-218, *Aircraft Operations and Movement on the Ground and AETC Supplement*
- s. AFI 11-222, *Tanker Activity Report*
- t. AFI 11-246v6, *Air Force Aircraft Demonstrations (C-17, C-130, C-141, C/KC/NKC-135, UH-1)*
- u. AFI 11-290, *Cockpit/Crew Resource Management Training Program, & AETC Supplements*
- v. AFI 11-301, Vol. 1 & 2, *Aircrew Flight Equipment Program and AETC Supplements*
- w. AFI 11-401, *Aviation Management and AETC Supplement*
- x. AFI 11-403, *Air Force Aerospace Physiological Training Program*
- y. AFI 11-418, *Operations Supervision*
- z. AFI 13-201, *Air Force Airspace Management*
- aa. AMCI 24-101, Vol. 16, *Military Airlift – Border Clearance*
- bb. AFM 24-204(I), *Preparing Hazardous Materials for Military Air Shipments*
- cc. AFI 91-202, *The US Air Force Mishap Prevention Program*
- dd. AETCI 36-2205, *Formal Aircrew Training Administration and Management*
- ee. DOD 4500.54-G, *DoD Foreign Clearance Guide*
- ff. DOD 4515.13R, *Air Transportation Eligibility*

Notes:

1. When authorized, if wings elect to use removable media or laptops, issue them to students via hand receipt. These items will be returned to the bookstore upon the student's graduation or removal from training. These media contain all the nonproprietary general publications each student requires throughout their training, identified in paragraph 2 above. Students are required to keep these publications current via the base's e-Pubs procedures. Students are responsible for notifying their flight commander should the removable media become lost, damaged, or stolen.
2. All information kept on removable media other than the publications, must be FOR OFFICIAL BUSINESS. Personal files containing privacy act information are prohibited. IAW AFI 31-401 removable media devices must be properly labeled and treated accordingly. Students are held responsible for adhering to the policies and training received from their Information Assurance Training.

3. The printing of technical orders, Air Force/AETC instructions, and other general publications from electronic media on government equipment is strictly prohibited.
4. The above lists are the minimum required publications and may be supplemented by the wings/squadrons. Additionally, the wings may elect to provide some of the listed publications in alternative formats (i.e., paper version of an electronic publication, or an electronic version of a document from the internet). However, the publication/document will also be provided in the format listed above.
5. Direct any questions regarding this list to the wing Bookstore.

Section D — Glossary

Abbreviations and Acronyms

A035	KC135A035 (Block 40 to Block 30 Differences Course)
AA	Approving Authority
AAR	Air-to-Air Refueling
A/P	Autopilot
AC	Aircraft Commander
ACIQ	(PTX1) KC135ACIQ (KC-135 Aircraft Commander Initial Qualification Course)
ACRQ	(PTX2) KC135ACRQ (KC-135 Aircraft Commander Requalification Course)
AETC	Air Education and Training Command
AETCI	Air Education and Training Command Instruction
AFB	Air Force Base
AFE	Aircrew Flight Equipment
AFI	Air Force Instruction
AFMSS	Air Force Mission Support System
AOA	Angle of Attack
APU	Auxiliary Power Unit
ARA	Airborne Radar Approach
ARTCC	Air Route Traffic Control Center
AT	Additional Training
ATD	Aircrew Training Device
ATS	Aircrew Training System
BIQ	KC135BIQ (KC-135 Boom Operator Initial Qualification Course)
BOPTT	Boom Operator Part-Task Trainer
BOWST	Boom Operator Weapon System Trainer
BTX2	KC135BTX2 (KC-135 Boom Operator Transition Course 2)
CAP	Commander's Awareness Program
CBES	KC-135 Computer-Based Evaluation System
CBT	Computer-Based Training
CFT	Cockpit Familiarization Trainer
CLT	Cargo Load Trainer
CNS/ATM	Communications, Navigation, Surveillance/Air Traffic Management
CRM	Crew Resource Management
CTS	Course Training Standard
DME	Distance Measuring Equipment
D/P	Demonstration/Performance
E-TCAS	Enhanced Traffic Alert and Collision Avoidance System
EFTOC	Engine Failure—Takeoff-Continued
EOC	End of Course
ETCA	Education and Training Course Announcements
EWO	Emergency War Order
EXAM	Examination

FCIF	Flight Crew Information File
FEB	Flight Evaluation Board
FEF	Flight Evaluation Folder
FLIP	Flight Information Publications
FT	Field Trip
FTC	Faculty Training Course
FTU	Flying Training Unit; Formal Training Unit
GATM	Global Air Traffic Management
GIPTT	GATM Interactive Part Task Trainer
GT	Ground Training
HEFOE	Hydraulics, Electrics, Fuel, Oxygen, Engines Check
HF	High Frequency Radio
IA	Initiating Authority
IAC	KC135IAC (KC-135 Instructor Aircraft Commander Course)
IAW	In Accordance With
IB	KC135IB (KC-135 Instructor Boom Operator Course)
IBT	Instructor-Based Training
IC	Instructor Course
IFF	Identification Friend or Foe
IFMP	Integrated Fuel Management Panel
IN	KC135IN (KC-135 Instructor Navigator Course)
INS	Inertial Navigation System
IP	KC135IP (KC-135 Instructor Pilot Course)
IP	Instructor Pilot
IRC	Instrument Refresher Course
KIAS	Knots Indicated Airspeed
MA	Missed Approach
MAC	Mean Aerodynamic Chord
MAP	Missed Approach Point
MBL	Manual Boom Latching
MITO	Minimum Interval Takeoff
MIF	Maneuver Item File
MLS	Microwave Landing System
MOA	Manifestation of Apprehension
MTL/ESD	Master Task List/Evaluation Standards Document
NBQ	KC135NIQ (KC-135 Navigator Basic Qualification Course)
NOTAM	Notice to Airman
OFT	Operational Flight Trainer
OPR	Office of Primary Responsibility
OPS	Operations
ORM	Operational Risk Management
PFPS	Portable Flight Planning System
PL	Performance Level; Proficiency Level
PMC	Power Management Control
PRC	Progress Review Committee
PTT	Part-Task Trainer
PTX1	KC135PTX1 (Pilot Transition Course 1)
PTX2	KC135PTX2 (Pilot Transition Course 2)
PTX3	KC135PTX3 (Pilot Transition Course 3)
RA	Reviewing Authority

RPL	Required Proficiency Level
RPO	Rudder Power Off
RZ	Rendezvous
SA	Situational Awareness
SATCOM	Satellite Communication
SIMCERT	Simulator Certification
SOC	KC135SOC (Senior Officer Course Flying)
SS	Self-Study
SST	Self-Study Time
T.O.	Technical Order
TACAN	Tactical Aid to Navigation; Tactical Air Navigation
TAPR	Training Accomplishment Performance Report
TCH	Threshold Crossing Height
TD	Training Day; Training Device
TERPS	Terminal and Enroute Procedures
TMO	Tanker Manual Operation
TMS	Training Management System
TRP	Training Review Process
UHF	Ultra High Frequency
VHF	Very High Frequency
VTRAT	Visual Threat Recognition and Avoidance Training
WB	Workbook

Section E — Lexicon of Terms

Block—Unit of training

Category of Training—All training of a particular type: transition, formation, etc.

Category 1 Route—A Category 1 route is defined as any route on which the position of the aircraft cannot be accurately determined by the overhead crossings of a radio aid (NDB, TACAN, VOR) at least once each hour with positive course guidance between the radio aids.

Course Training Standards (CTS)—The training standards describing the skills and degree of proficiency required of the graduates of this course.

Flight Evaluation—AF IMT 8 flight evaluation administered by a flight examiner.

Flying Evaluation Board (FEB)—An administrative, fact-finding proceeding designed to ensure the quality control of the rated force. A board consists of rated officers who are qualified for aviation service and are serving in an active ASC. Board members examine a rated officer's professional qualification for aviation service, evaluate potential for use in future rated duties, and make recommendations to higher authorities.

Level 1 Training—KC-135 Initial Qualification training.

Maneuver Item File (MIF)—A listing of all maneuvers, and proficiency required in each maneuver, for all lessons in this course.

Proficiency Advancement—Advancement based on the student's satisfactory achievement of unit objectives prior to the end of a unit.

Progress Review Committee (PRC)—The PRC is an administrative, fact-finding proceeding conducted when an enlisted aircrew member fails to meet established training standards or has requested voluntary disqualification from aviation service.

Sortie—An aircraft sortie begins at takeoff and ends at the closeout time documented in the AFTO Form 781. A simulator sortie begins when the training event starts and is completed when the training event ends.

Syllabus Event—Any individual academic, simulator, or flying event, accomplished and graded complete. Normally two syllabus events are accomplished during each aircraft sortie.

Training Management System (TMS)—A computer system used to manage courses of training.

Unit of Training—A group of lessons in any category identified by the following: The same last two numbers in the lesson designator. The same list of maneuvers and objectives.